

### Experiment 1:

Mention the type of lever in each:

الانقلاب

①

First class lever	Second class lever	Third class lever
<b>Examples</b> 1. Sea-saw. 2. Crowbar. 3. Scissors. 4. Scales. 5. Pincer. 6. Paddle & 7. water pump	<b>Examples:</b> 1. Wheel burrow. 2. Can opener. 3. Nutcracker.	<b>Examples</b> 1. Fish hook. 2. Manual broom. 3. Candyholder. 4. Hockey stick 5. Tweezers.

Q2. Complete the table:

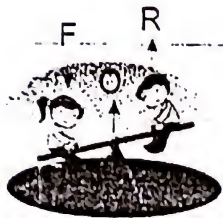
	A	B
Name	Light bulb	Fluorescent lamp
Consists of	1. Glass bulb. 2. Tungsten filament. 3. Base of bulb.	1. A glass tube.  2. Two tungsten Filaments 3. Points of connection.
Filled with	Inert gas [argon]	Inert gas [argon]

C) Mention the idea of working:

They change electric energy to light energy.

## Examples of 1<sup>st</sup> type of levers

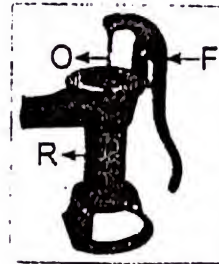
### Examples



Seesaw



Crowbar



Suction pump



Paddle



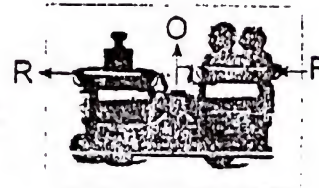
Nail clipper

1<sup>st</sup>

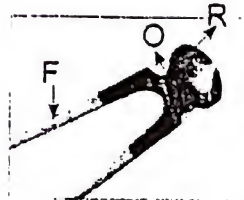
Class levers as



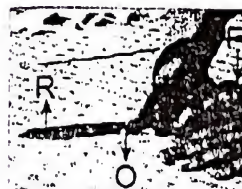
Pincer



Balance



Pincer



Scissors

## Examples of 2<sup>nd</sup> type of levers



Wheelbarrow

2<sup>nd</sup>

Class levers as

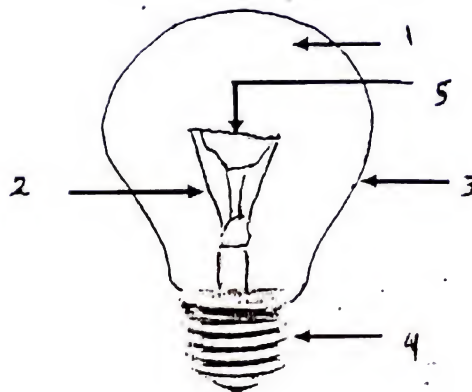


Stapler



Nutcracker

Soda water  
(bottle) opener



1- \_\_\_\_\_

2- \_\_\_\_\_

3- \_\_\_\_\_

4- \_\_\_\_\_

5- \_\_\_\_\_

1- Name of sample- \_\_\_\_\_

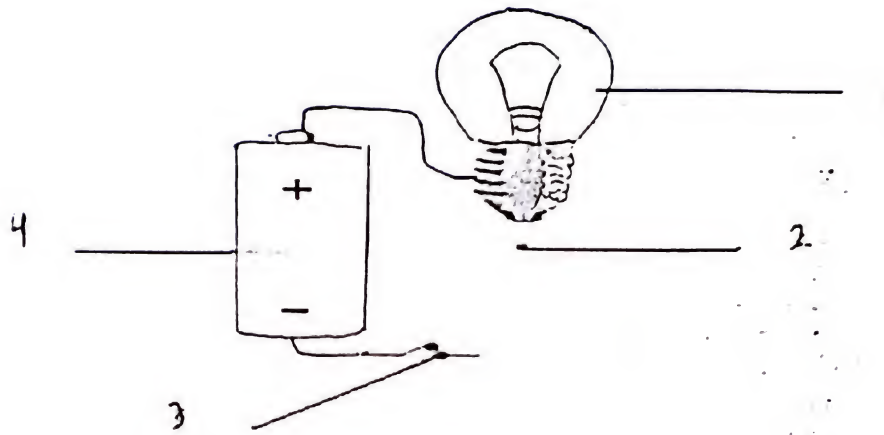
2- It change \_\_\_\_\_ energy into \_\_\_\_\_ energy

3- \_\_\_\_\_ and \_\_\_\_\_ are harm rays that emit during solar eclipse

4- \_\_\_\_\_ and \_\_\_\_\_ from danger of electricity

5- \_\_\_\_\_ class lever always conserve effort but \_\_\_\_\_ class lever always don't conserve





1-----

2-----

3-----

4-----

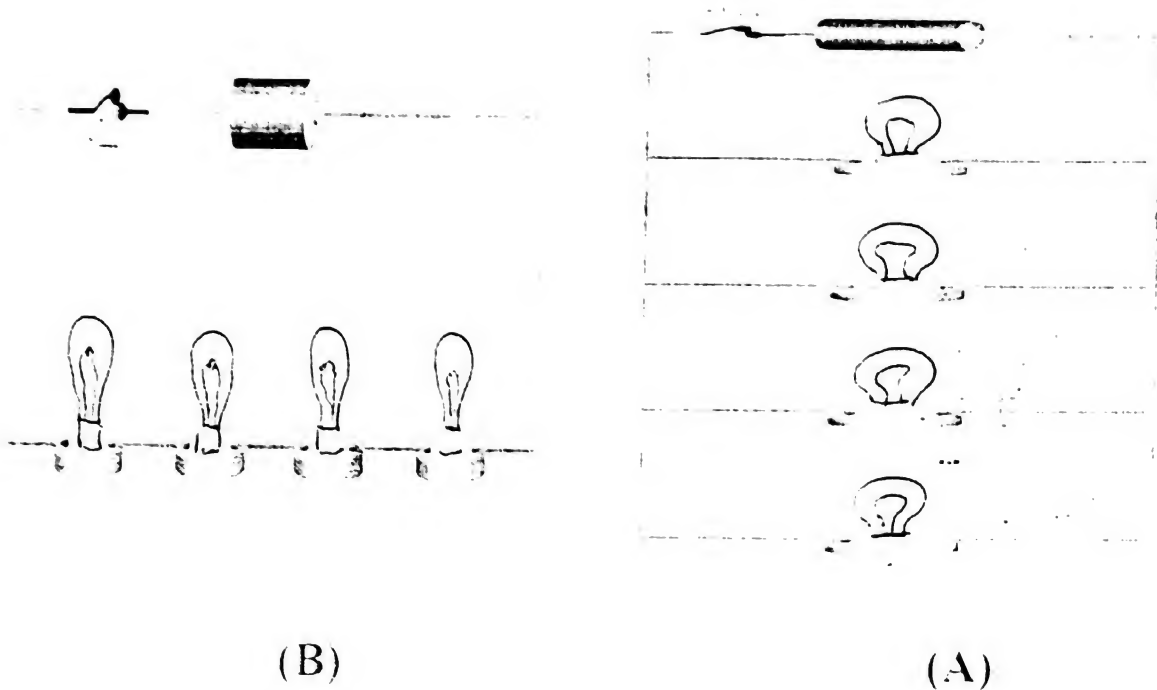
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(b) 1- Importance of no. (4) in figure is-----

2- ----- and ----- types of astronomical telescope

3- ----- and ----- are harm rays that emit during solar eclipse

4- ----- and ----- from danger of electricity



1-type of Connection (A) is ----- connection but the type of connection (B) is-----

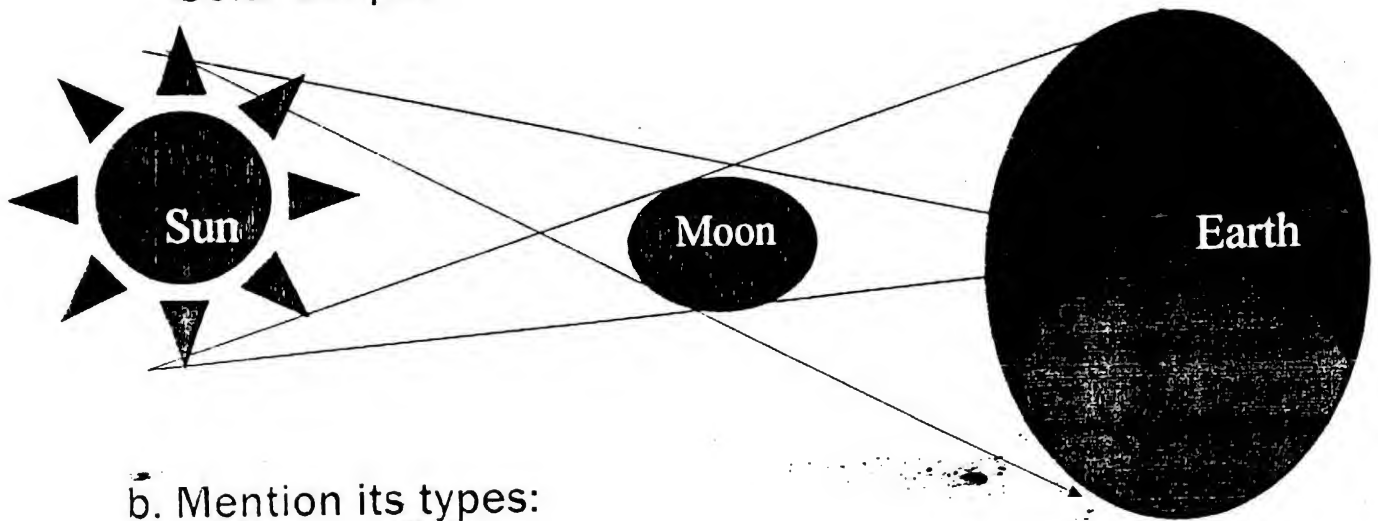
2-in connection (A) the electric current moves in ----- route but in (B) the electric current moves in----- route

3- by increasing number of electric lamps in connection (A) light intensity will be -----

4- ----- class lever always conserve effort but-----class lever always don't conserve

5- ----- and----- types of astronomical telescope

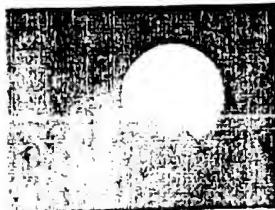
Q5 a] Mention the name of the phenomenon:  
Solar eclipse



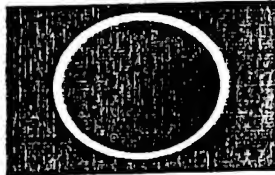
b. Mention its types:



1. Total solar eclipse



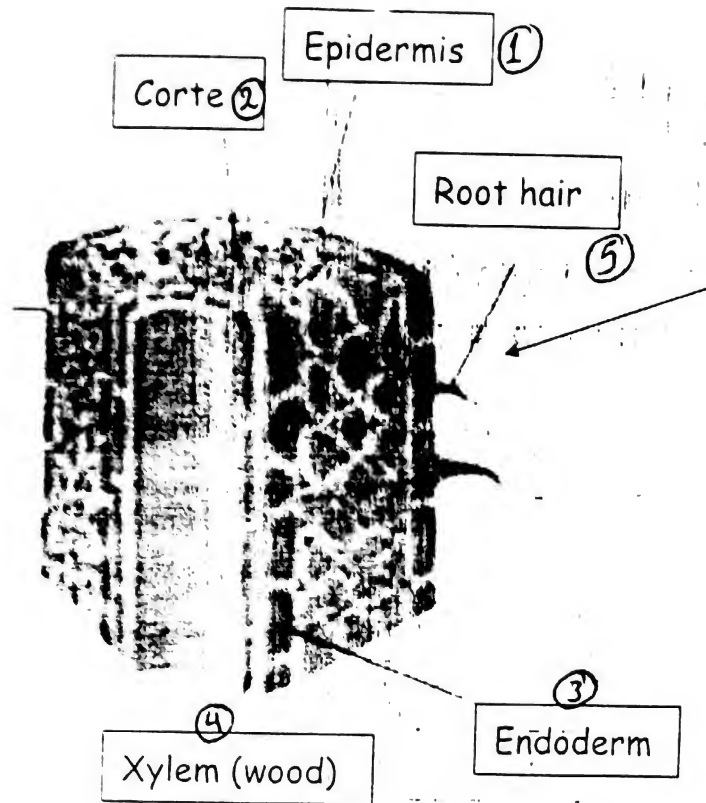
2. Partial solar eclipse



3. Annular solar eclipse

Q6. Show by an experiment the transpiration in plants:

Activity	Observation	Conclusion
1. Put one of a plant leaves inside a transparent sac & close it tightly.	Drops of water are formed inside the sac.	The plant loses some of its water through holes in the plant leaves called stomata in a process called Transpiration.
2. Leave the plant in sunlight for several hours.		



1-----

2-----

3-----

4-----

5-----

1----- and ----- types of astronomical telescope

2 - ----- and ----- are harm rays that emit during solar eclipse

3 - ----- and ----- from danger of electricity